



AUTOMATED ULTRASONIC INSPECTION PLANNING  
INVENTOR: ALLEN A. KLASSEN et al.  
SN: 09/685,260  
ATTY: ROBERT B. REESER, III; PHONE: (314) 621-5070  
ARMSTRONG TEASDALE LLP.

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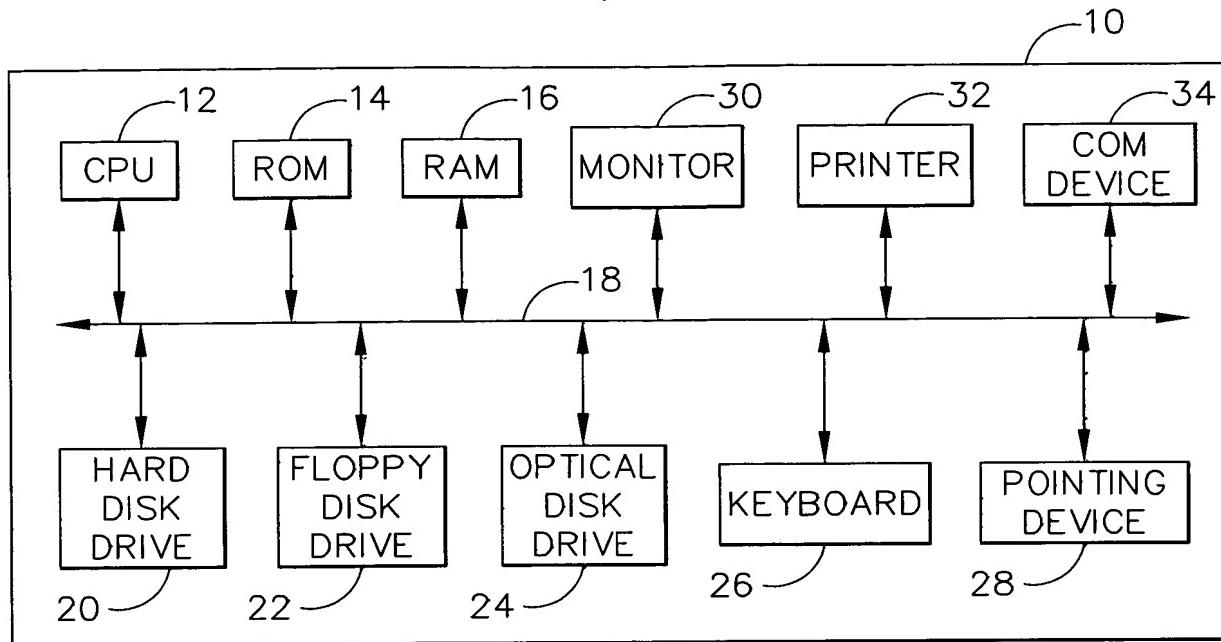


FIG. 1

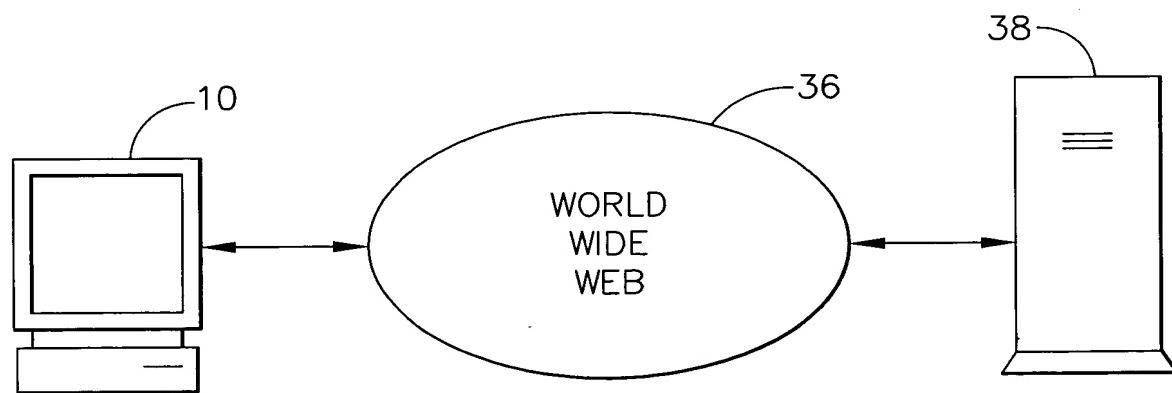
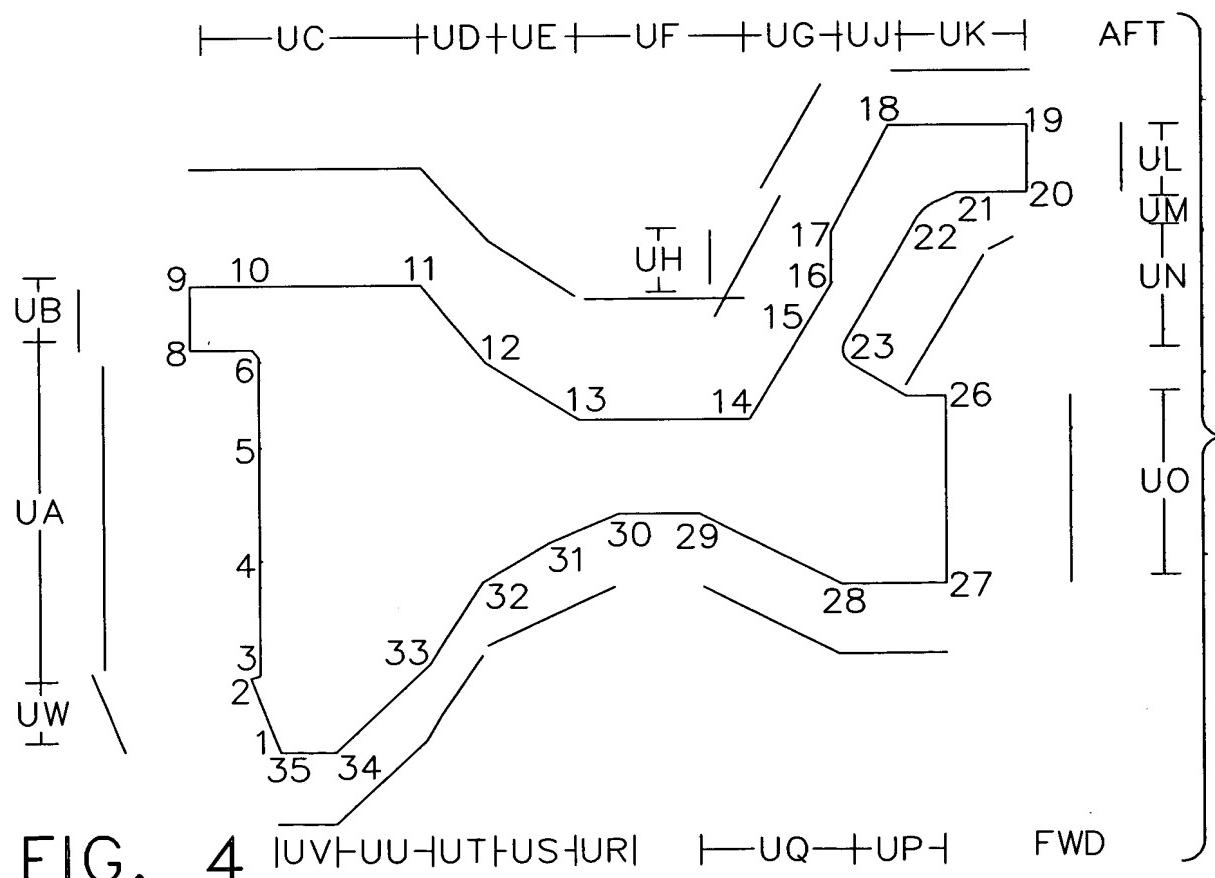
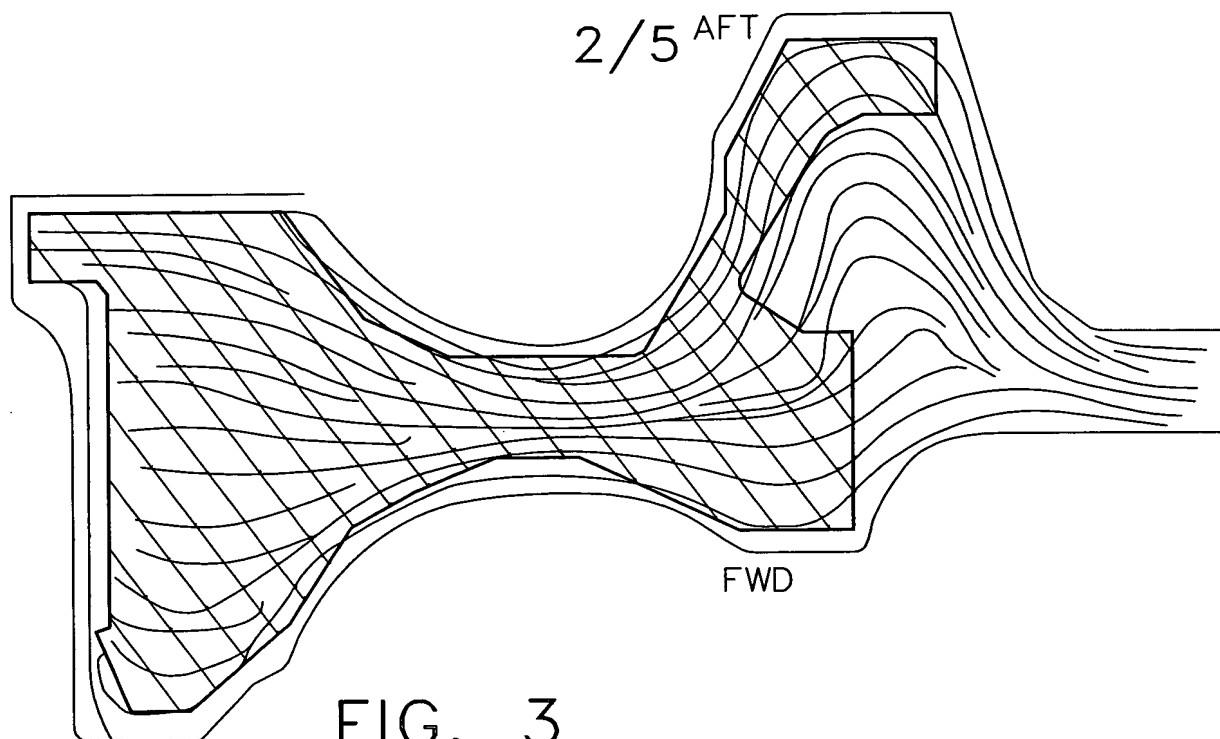


FIG. 2

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	A	B	C	D	E	H	I	J	K	L		
1	ADMINISTRATIVE DATA					3/5						
2	PART NO.		PART NAME		MATERIAL		INSPECT SOURCE					
3					FORGING		FORGING SOURCE					
4	PLANNING NO.		SONIC SHAPE									
5	APPLICABLE REQUIREMENTS AND PROCEDURES											
6					ADD ROW		42					
7												
8												
9												
10			44									
11	LOCAL DATA											
12	PLANNING FILE		BROWSE		SCANLINE FILE		BROWSE		REV SHEET		BROWSE	
13	TRANSDUCER CHARACTERISTICS											
14	WATER PATH		GATE START		GATE END							
15	ZONE	SERIAL #	-2dB BEAM	-3dB BEAM								
16												
17												
18												
19												
20												
21												
22												
23												
24												
	INSTRUCTIONS		INPUT									

40 FIG. 5

	A	B	C	D	E	F	G	H	I	J	K	L
25	PART CROSS SECTION											
26												
27	PART NO.	RADIUS	HEIGHT	CONTOUR RADIUS	AREA	MINIMUM ENVELOPE						
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
	INSTRUCTIONS		INPUT									

40 FIG. 6

OPIE  
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	A	B	C	D	E	F	G	H	I	J	K	L
49	ENTER ADDITIONAL NOTES HERE:					4/5						
50												
51												
52												
53												
54												
55												
56	INSPECTION AREA AND REJECT CRITERIA											
57	AREA	LONG 1	LONG 2	LONG 3	LONG 4	LONG 5	LONG 6	LONG 7				
58												
59												
60												
61												
62												
63												
64												
65												
66												
67												
68												
69												
70												
71												
72												
	<><><><>		INSTRUCTIONS	INPUT								

FIG. 7

	A	B	C	D	E	F	G	H	I	J	K	L
73	SCAN PLAN											
74	SCAN	ZONE	START POINT	END POINT	-2 OR -3dB							
75												
76												
77												
78												
79												
80												
81												
82												
83												
84												
85												
86												
87												
88												
89												
90												
	<><><><>		INSTRUCTIONS	INPUT								

48  
ADD  
ROW

56

58  
60  
DELETE  
ROWS

62  
GEN.  
OUTPUT

40

FIG. 8

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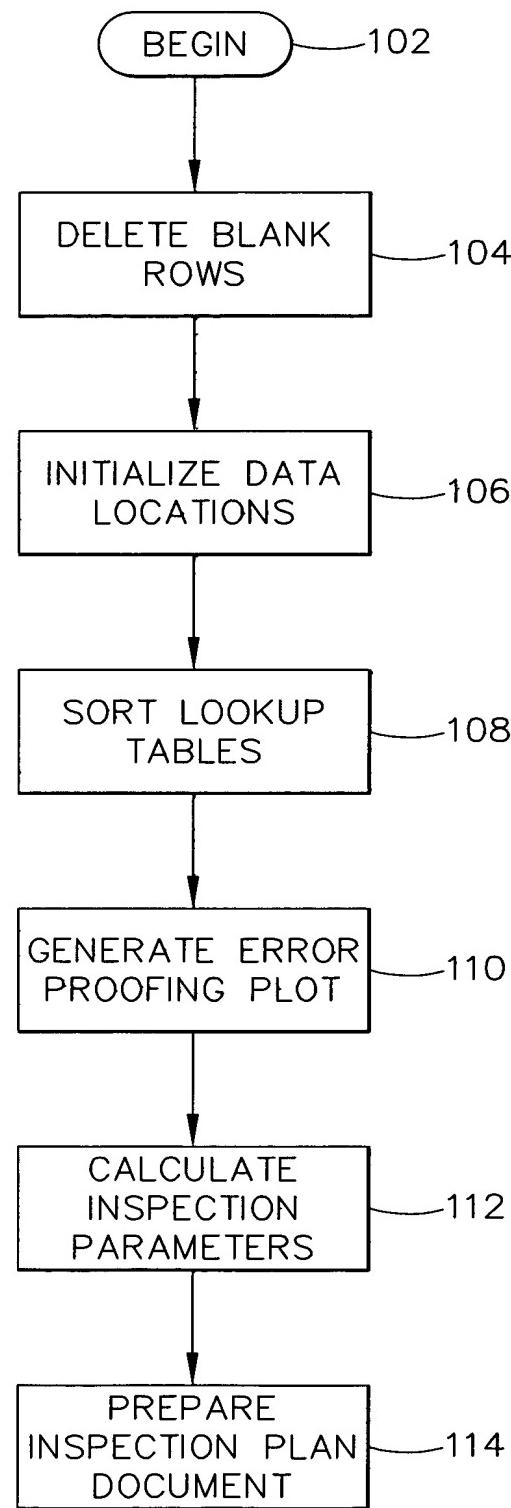


FIG. 9